

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number  
**WO 2005/082382 A1**

- (51) International Patent Classification<sup>7</sup>: **A61K 33/00**, 31/54, 31/24
- (21) International Application Number:  
PCT/US2005/005985
- (22) International Filing Date: 23 February 2005 (23.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
60/547,357 23 February 2004 (23.02.2004) US
- (71) Applicant (for all designated States except US): **ATTEN-  
UON LLC** [US/US]; Suite 401, 11535 Sorrento Valley  
Road, San Diego, CA 92121 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **TERNANSKY,  
Robert, J.** [US/US]; Suite 401, 11535 Sorrento Valley  
Road, San Diego, CA 92121 (US). **SULLIVAN, Brian,  
William** [US/US]; 25799 Forest Drive, Escondido, CA  
92026 (US). **CHEN, Andrew, Xian** [US/US]; 4646  
Bryson Ter., San Diego, CA 92130 (US).
- (74) Agents: **SINGH, Sunil, K. et al.**; Dorsey & Whitney LLP,  
Four Embarcadero Center, Suite 3400, San Francisco, CA  
94111 (US).
- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,  
ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: FORMULATIONS OF THIOMOLYBDATE OR THIOTUNGSTATE COMOUNDS AND USES THEREOF

(57) Abstract: Formulations of thiomolybdate or thiotungstate derivatives, methods of making formulations of thiomolybdate or thiotungstate derivatives, solid dosage forms of thiomolybdate or thiotungstate analogues, methods of making solid dosage forms of thiomolybdate or thiotungstate analogues and methods of using solid dosage forms of thiomolybdate or thiotungstate derivatives to treat or prevent diseases associated with aberrant vascularization or aberrant angiogenesis, copper metabolism disorders neurodegenerative disorders and obesity are disclosed herein.

WO 2005/082382 A1